

Attorney's Docket No. 05652.P013XCD  
Confirmation No.: 6992

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:	)	
	)	
Mark W. Miles	)	Art Unit: 2873
	)	
Application No.: 10/082,397	)	Examiner: Not yet assigned
	)	
Filed: August 6, 2002	)	
	)	
For: VISIBLE SPECTRUM MODULATOR ARRAYS	)	
_____	)	

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22314-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 6-30-03.

(Date of Deposit)

Dawn R. Shaw  
(Typed or printed name of person mailing correspondence)

Dawn R. Shaw 6-30-03  
(Signature of person mailing correspondence) Date Mailed

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07/08/2003 WAB/ELR1 00000023 10082397  
01 FC:1806 180.00 DP

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

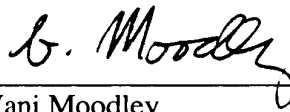
- ☐ 37 C.F.R. §1.97(b).
- ☒ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- ☐ A statement pursuant to 37 C.F.R. §1.97(e) or
- ☒ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
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- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
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If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 6/30/, 2003

  
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Vani Moodley  
Under 37 CFR § 10.9(b)

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<b>Substitut for Form 1449A/PTO (Modified)</b> <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/082,397
				Filing Date	August 6, 2002
				First Named Inventor:	Mark W. Miles
				Group Art Unit	2873
Examiner Name	Not yet assigned				
Sh et	1	of	2	Attorney Docket Number	05652.P013XCD

U.S. PATENT DOCUMENTS						
Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
		3,725,868		Malmer, Jr. et al.	04-02-1973	
		4,196,396		Smith	04-01-1980	
		4,459,182		te Velde	07-10-1984	
		4,937,496		Neiger et al.	06-26-1990	
		5,136,669		Gerd	08-04-1992	
		5,142,414		Koehler	08-25-1992	
		5,228,013		Bik	07-13-1993	
		5,324,683		Fitch et al.	06-28-1994	
		5,326,430		Cronin et al.	07-05-1994	
		5,345,328		Fritz et al.	09-06-1994	
		5,381,232		van Wijk	01-10-1995	
		5,526,327		Cordova, Jr.	06-11-1996	
		5,552,925		Worley	09-03-1996	
		5,629,790		Neukermans et al.	05-13-1997	
		5,633,652		Kanbe et al.	05-01-1997	
		5,638,084		Kalt	06-10-1997	
		5,636,185		Brewer et al.	06-03-1997	
		5,638,946		Zavracky	06-17-1997	
		5,641,391		Hunter et al.	06-24-1997	
		5,673,139		Johnson	09-30-1997	
		5,683,591		Offenberg	11-04-1997	
		5,959,763		Bozler et al.	09-28-1999	
		5,986,796		Miles	11-16-1999	
		6,040,937		Miles	03-01-2000	
		6,055,090		Miles	04-25-2000	

FOREIGN PATENT DOCUMENTS								
Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				
		EPO	0,667,548	A1	AT & T Corp.	8/16/95		
		JP	405,275,401	A1	Ikeda	10/22/93		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Not yet assigned
<b>She t</b>	2	of	2	Attorney Docket Number	05652.P013XCD

**OTHER ART – NO PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Science and Technology, The Economist, May 22, 1999, pp. 89-90.	
		Fan et al., "Channel Drop Filters In Photonic Crystals, "Optics Express, Vol. 3, No. 1, 1998.	
		Giles et al., "A Silicon MEMS Optical Switch Attenuator and Its Use in Lightwave Subsystems," IEEE Journal.	
		Joannopoulos et al., Photonic Crystals, "Molding the Flow of Light," copyright 1995.	
		Kim et al. "Control of Optical Transmission Through Metals Perforated With Subwave-length Hole Arrays," Optic Letters, Vol. 24, No. 4, Febru-ary 15, 1999, pp. 256-257.	
		Lin et al., "Free-Space Micromachined Optical Switches for Optical Networking," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 1, Jan/Feb. 1999, pp. 4-9.	
		Little et al., "Vertically Coupled Microring Resonator Channel Dropping Filter," IEEE Photonics Technology Letters, Vol. 11, No. 2, 1999.	
		Magel, "Integrated Optic Devices Using Micromachined Metal Membranes," SPIE Vol. 2686, 0-8194-2060-3/1996.	
		Nagami et al., "Plastic Cell Architecture: Towards Reconfigiurable Computing For General-Purpose," IEEE, 0-8186-8900 -5/98, pp. 68-77.	
		Zhou et al., "Waveguide Panel Display Using Electromechanist Spatial Modulators" SID Digest, Vol. XXIX, 1998.	

Examiner Signature		Date Considered	
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